Alignment NO:3	of r	everse	complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
SeqID43rc seqID:3	(	1)	gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatt
SeqID43rc seqID:3	(	61)	++++++++++++++++++++++++++++++++++++++
SeqID43rc seqID:3	(		gtactccgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaatgttaca
SeqID43rc seqID:3	(	181) 25)	cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rc seqID:3	(	241) 25)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:3	(		ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
SeqID43rc seqID:3	(		agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
SeqID43rc seqID:3	(	421) 25)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt 
SeqID43rc seqID:3	(	481) 25)	ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:3	(		cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc seqID:3	(		tccatgataagtcagccatgttcccgaaggtgtgacttccatgccaatgcgtgacattcc

SeqID43rc seqID:3	(	661) 25)	aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
SeqID43rc seqID:3	(	721) 25)	tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:3	(	781) 25)	cccaaatgcttgagtgacgttgtactgttttgtggcagtacgtttttggcgaggcttttt
SeqID43rc seqID:3	(		agatgcctcagcagcagatttcttagtgacagtttggccttgttgttgttggcctttacc
SeqID43rc seqID:3	(	901) 25)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:3	(	961) 25)	accacctccgctagccattcgagcaggagaatttcccctactgctgccaggagttgaatt
SeqID43rc seqID:3	(	1021) 25)	tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
SeqID43rc seqID:3	(	1081) 25)	tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
SeqID43rc seqID:3	(	1141) 25)	agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
SeqID43rc seqID:3	(	1201) 25)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:3	(	1261) 25)	agttcctaggtaatagaagtaccatctggggctgagctctttcattttgccgtcaccacc
SeqID43rc seqID:3	(	1321) 25)	acgaactcgtcgggtagctcttcggta

Alignment o	of reverse	e complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
SeqID43rc seqID:5	( 1) ( 1)	gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatt
SeqID43rc seqID:5	( 61) ( 1)	++++++++++++++++++++++++++++++++++++++
SeqID43rc seqID:5	( 121) ( 24)	gtactccgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaatgttaca
SeqID43rc seqID:5	( 181) ( 24)	cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rc seqID:5	( 241) ( 24)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:5	( 301) ( 24)	ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
SeqID43rc seqID:5	( 361) ( 24)	agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
SeqID43rc seqID:5	( 421) ( 24)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt
SeqID43rc seqID:5	( 481) ( 24)	ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:5	( 541) ( 24)	cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc seqID:5	( 601) ( 24)	tccatgataagtcagccatgttcccgaaggtgtgacttccatgccaatgcgtgacattcc

SeqID43rc seqID:5	(	661) 24)	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
SeqID43rc seqID:5	(	721) 24)	tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:5	(	781) 24)	cccaaatgcttgagtgacgttgtactgttttgtggcagtacgttttttggcgaggcttttt
SeqID43rc seqID:5	(	841) 24)	
SeqID43rc seqID:5	(	901) 24)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:5	(	961) 24)	accacctccgctagccattcgagcaggagaatttcccctactgctgccaggagttgaatt
SeqID43rc seqID:5	(	1021) 24)	tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
SeqID43rc seqID:5	(	1081) 24)	tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
SeqID43rc seqID:5	(		agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
SeqID43rc seqID:5		1201) 24)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:5	(	1261) 24)	agttcctaggtaatagaagtaccatctggggctgagctctttcattttgccgtcaccacc
SeqID43rc seqID:5	(	1321) 24)	acgaactcgtcgggtagctcttcggta

Alignment NO:7	of r	everse	complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
SeqID43rc seqID:7	(		gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatt
SeqID43rc seqID:7	(	61) 1)	++++++++++++++++++++++++++++++++++++++
SeqID43rc seqID:7	( (.		gtactccgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaatgttaca
SeqID43rd seqID:7	(	181) 25)	cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rd seqID:7	(	241) 25)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:7	(	301) 25)	ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
SeqID43rc seqID:7	(	361) 25)	agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
SeqID43rc seqID:7	(	421) 25)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt
SeqID43rc seqID:7	(	481) 25)	ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:7	.( (		cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc seqID:7	(	601) 25)	tccatgataagtcagccatgttcccgaaggtgtgacttccatgccaatgcgtgacattcc

SeqID43rc seqID:7	(	661) 25)	aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
SeqID43rc seqID:7	(		tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:7	(		cccaaatgcttgagtgacgttgtactgttttgtggcagtacgttttttggcgaggcttttt
SeqID43rc seqID:7	(	841) 25)	agatgcctcagcagcagatttcttagtgacagtttggccttgttgttgttggcctttacc
SeqID43rc seqID:7	(	901) 25)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:7	(	961) 25)	accacctccgctagccattcgagcaggagaatttcccctactgctgccaggagttgaatt
SeqID43rc seqID:7	(		tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
SeqID43rc seqID:7	(	1081)	tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
SeqID43rc seqID:7	(	1141) 25)	agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
SeqID43rc seqID:7	(	1201) 25)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:7	(	1261) 25)	agttcctaggtaatagaagtaccatctggggctgagctctttcattttgccgtcaccacc
SeqID43rc seqID:7	(		acgaactcgtcgggtagctcttcggta

Alignment NO:9	of	reverse	complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
SeqID43rc seqID:9	(	1)	gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatt
SeqID43rc seqID:9	(	61)	++++++++++++++++++++++++++++++++++++++
SeqID43rc seqID:9	(	121) 24)	gtactccgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaatgttaca
SeqID43rc seqID:9	(	181) 24)	cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rc seqID:9	(	241) 24)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:9	(	301) 24)	ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
SeqID43rc seqID:9	(	361) 24)	agaagetecaeteatggaattttgaagttgtetggagaaateateeatgteageegeagg
SeqID43rc seqID:9	(	421) 24)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt
SeqID43rc seqID:9	(		ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:9	(	541) 24)	cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc seqID:9	(	601) 24)	tecatgataagtcagecatgttecegaaggtgtgaettecatgecaatgegtgaeattee

SeqID43rc seqID:9	(	661) 24)	aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
SeqID43rc seqID:9	(	721) 24)	tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:9	(	781) 24)	cccaaatgcttgagtgacgttgtactgttttgtggcagtacgttttttggcgaggcttttt
SeqID43rc seqID:9	(	841) 24)	agatgcctcagcagcagatttcttagtgacagtttggccttgttgttgttggcctttacc
SeqID43rc seqID:9	(	901) 24)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:9	(	961) 24)	accacctccgctagccattcgagcaggagaatttcccctactgctgccaggagttgaatt
SeqID43rc seqID:9	(	1021) 24)	tcttgaattaccgcgactacgtgatgaggaggaggagagggettgactgccgcctctgct
SeqID43rc seqID:9	(	1081)	tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
SeqID43rc seqID:9	(	1141) 24)	agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
SeqID43rc seqID:9	(	1201) 24)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:9	(	1261) 24)	agttcctaggtaatagaagtaccatctggggctgagctctttcattttgccgtcaccacc
SeqID43rc seqID:9	(	1321) 24)	acgaactcgtcgggtagctcttcggta

Alignment NO:10	of	reverse	complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID
SeqID43rc seqID:10	(	1)	gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatt
SeqID43rc seqID:10	(	61) 1)	+++++ cacattagggctcttccatataggcagctctccctagcattattcactgtacccTCGATCTCGATC
SeqID43rc seqID:10	(	121) 7)	++++++++++++++++++++++++++++++++++++++
SeqID43rc seqID:10	(	181) 23)	cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rc seqID:10	(	241) 23)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:10	(	301) 23)	ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
SeqID43rc seqID:10	(	361) 23)	agaagetecacteatggaattttgaagttgtetggagaaateatecatgteageegeagg
SeqID43rc seqID:10	(	421) 23)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt
SeqID43rc seqID:10	(	481)	ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:10	(	541) 23)	cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc seqID:10	(	601) 23)	tecatgataagteageeatgtteeegaaggtgtgaetteeatgeeaatgegtgaeattee

SeqID43rc seqID:10	(	661) 23)	5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
SeqID43rc seqID:10	(	721) 23)	tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:10	(		cccaaatgcttgagtgacgttgtactgttttgtggcagtacgtttttggcgaggcttttt
SeqID43rc seqID:10	(	841) 23)	5 - 5 5 5 5
SeqID43rc seqID:10	(	901) 23)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:10	(	961) 23)	
SeqID43rc seqID:10	(		tettgaattacegegactacgtgatgaggaggaggagagggettgactgeegeetetget
SeqID43rc seqID:10	(	1081)	tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
SeqID43rc seqID:10	(	1141) 23)	agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
SeqID43rc seqID:10	(	1201) 23)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:10	(		agttectaggtaatagaagtaccatetggggetgagetettteattttgeegteaceace
SeqID43rc seqID:10	(	1321) 23)	acgaactcgtcgggtagctcttcggta

Alignment NO:12	of	reverse	complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ II
SeqID43rc seqID:12	(		gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaattaatt
SeqID43rc seqID:12	(		cacattagggctcttccatataggcagctctccctagcattattcactgtaccctcgatc
SeqID43rc seqID:12	(	121)	gtactccgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaatgttaca
SeqID43rc seqID:12	(		cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rc seqID:12	(	241)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:12	(	301) 1)	ttacatagcccatctgccttgtgtggtcatcatgagtgtttatgcctgagttgaatcagc
SeqID43rc seqID:12	(	361) 1)	agaagetecacteatggaattttgaagttgtetggagaaateatecatgteageegeagg
SeqID43rc seqID:12	(	421) 1)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt
SeqID43rc seqID:12	(		ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:12	(	541) 1)	cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc	(		tccatgataagtcagccatgttcccgaaggtgtgacttccatgccaatgcgtgacattcc

SeqID43rc seqID:12	(	661)	aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
SeqID43rc seqID:12	(	721) 1)	tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:12	(	781) 1)	cccaaatgcttgagtgacgttgtactgttttgtggcagtacgtttttggcgaggcttttt
SeqID43rc seqID:12	(	841)	
SeqID43rc seqID:12	(	901)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:12	(	961) 1)	accacctccgctagccattcgagcaggagaatttcccctactgctgccaggagttgaatt
SeqID43rc seqID:12	(	1021)	tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
SeqID43rc seqID:12	(	1081)	++++++++++++++++++++++++++++++++++++++
SeqID43rc seqID:12	(	1141)	agcattgttattaggattgcgggtgccaatgtggtctttgggtgtattcaaggctccctc
SeqID43rc seqID:12	(	1201)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:12	(	1261) 23)	agttcctaggtaatagaagtaccatctggggctgagctctttcattttgccgtcaccacc
SeqID43rc seqID:12	(	1321) 23)	acgaactcgtcgggtagctcttcggta

USSN 10/764,075; Dkt. No: 19240-447US2 Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:15

Alignment of reverse complementary strand of SEQ ID NO:43 (shown as SeqID:43r) and SEQ ID NO:15

SeqID43rc seqID:15	(		gtcattctcctaagaagctattaaaatcacatggggatagcactactaaaatttaatttta
SeqID43rc seqID:15	(	61)	cacattagggctcttccatataggcagctctccctagcattattcactgtaccctcgatc
SeqID43rc seqID:15	(	121)	gtactccgcgtggcctcgatgaaaatgtggtggctctttcaagtcctccctaatgttaca
SeqID43rc seqID:15	(	181)	cattgattaaagattgctatgtgagattaaagttaactaaacctacttgtgctgtttagt
SeqID43rc seqID:15	(	241)	tacgagaattcattctgcacaagagtagactatgtatcgtaaacggaattgcgaaaacgt
SeqID43rc seqID:15	(	301) 1)	ttacatageccatetgeettgtgtggteateatgagtgtttatgeetgagttgaateage
SeqID43rc seqID:15	(	361) 1)	agaagctccactcatggaattttgaagttgtctggagaaatcatccatgtcagccgcagg
SeqID43rc seqID:15	(	421) 1)	aagaagagtcacagtgggctgcttcttttgtctctgcggcaaaggctgagcttcatcagt
SeqID43rc seqID:15	(	481) 1)	ctttttctttttgtcctttttaggctctgttggtgggaatgttttgtatgcgtcaatgtg
SeqID43rc seqID:15	(	541) 1)	cttgttcagcagtatgacgttgtctttgaattgtggatctttgtcatccaatttaatggc
SeqID43rc seqID:15	(	601) 1)	++++++++++++++++++++++++++++++++++++++

SeqID43rc seqID:15	.( (	661) 21)	aaagaatgcagaggcacttggagcaaattgtgcaatttgcggccaatgtttgtaatcagt
SeqID43rc seqID:15	(	721) 21)	tccttgtctgattaggtcttggtccccgaaatttccttgggtttgttctggaccacgtct
SeqID43rc seqID:15	(	781) 21)	cccaaatgcttgagtgacgttgtactgttttgtggcagtacgttttttggcgaggcttttt
SeqID43rc seqID:15	( (	841) 21)	agatgcctcagcagcagatttcttagtgacagtttggccttgttgttgttggcctttacc
SeqID43rc seqID:15	(	901) 21)	agaaactttgctctcaagctggttcaatctgtctagcagcaatagcgcgagggcagtttc
SeqID43rc seqID:15	(	961) 21)	accacctccgctagccattcgagcaggagatttcccctactgctgccaggagttgaatt
SeqID43rc seqID:15	(	1021) 21)	tcttgaattaccgcgactacgtgatgaggagcgagaagaggcttgactgccgcctctgct
SeqID43rc seqID:15	(	1081)	tccctctgcgtagaagccttttggcaatgttgttccttgaggaagttgtagcacggtggc
SeqID43rc seqID:15	(	1141)	33 33 3 33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
SeqID43rc seqID:15	(	1201) 21)	agttgcaacccatacgatgccttctttgttagcgccgtagggaagtgaagcttctgggcc
SeqID43rc seqID:15	(	1261) 21)	agttcctaggtaatagaagtaccatctggggctgagctctttcattttgccgtcaccacc
SeqID43rc seqID:15	(	1321)	acgaactcgtcgggtagctcttcggta